

We claim:

1. An information processing apparatus having a mouse cursor display function, comprising:

a display unit for displaying data on a bit mapped display screen;

a pointing device for designating a coordinate location on said display screen, and for directing scrolling and setting a scrolling speed for data displayed on said display screen;

mouse cursor control means for displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;

scroll control means for scrolling the data on said display screen in accordance with a display data scrolling instruction from said pointing device; and

scrolling speed display means for displaying a number of speed indicators during scrolling, the number of displayed speed indicators corresponding to a relative scrolling speed set by said pointing device while scrolling data on said display screen.

2. An information processing apparatus according to Claim 1,  
 wherein said scrolling speed display means arranges the speed  
 indicators in a scrolling direction relative to a center of said  
 mouse cursor.

3. An information processing apparatus according to Claim 1,  
 further comprising means for changing a displayed image of the  
 mouse cursor in response to whether a specific button of said  
 pointing device is clicked or released.

4. In a computing environment, an enhanced mouse cursor for  
 indicating a direction and a relative speed of scrolling of data  
 displayed in a window on a display screen of an information  
 processing apparatus that designates a coordinate location using a  
 pointing device, said enhanced mouse cursor comprising:

a mouse cursor body located at the coordinate location  
 designated by using said pointing device; and

one or more speed indicators displayed in a number  
 corresponding to a scrolling speed while scrolling data  
 on said display screen.



7 comprising the steps of:

- 8 (a) displaying a mouse cursor at a coordinate location on  
9 said display screen designated by said pointing device;
- 10 (b) scrolling data on said display screen in accordance with  
11 a display data scrolling instruction from said pointing  
12 device; and
- 13 (c) displaying speed indicators in a number corresponding to  
14 a scrolling speed set by said pointing device while  
15 scrolling data on said display screen.

1 10. The control method according to Claim 9, wherein said step (c)  
2 further comprises displaying the speed indicators in a scrolling  
3 direction relative to a center of said mouse cursor.

11 11. Computer readable code stored on computer readable storage  
12 medium and executable by a computer system that includes a display  
13 unit for displaying data on a bit mapped display screen' and a  
14 pointing device for designating a coordinate location on said  
15 display screen and for directing scrolling and setting a scrolling  
16 speed for data displayed on said display screen, said code  
17 comprising:

- 8 (a) a routine for displaying a mouse cursor at a coordinate

9 location on said display screen designated by said  
10 pointing device;

11 (b) a routine for scrolling data on said display screen in  
12 accordance with a display data scrolling instruction  
13 from said pointing device; and

14 (c) a routine for modifying the mouse cursor to include  
15 speed indicators in a number which corresponds to  
16 a relative scrolling speed set by said pointing device  
17 while scrolling data on said display screen.

1 12. The computer readable code according to Claim 11, wherein said  
2 routine for modifying the mouse cursor further comprises displaying  
3 the speed indicators in a scrolling direction relative to a center  
4 of said mouse cursor.

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